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10/602,553	06/24/2003	Thomas A. Makowski	5150-81000	1242

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EXAMINER	
TECKLU, ISAAC TUKU	
ART UNIT	PAPER NUMBER
2192	

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	01/04/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Office Action Summary	Application No.	Applicant(s)	
	10/602,553	MAKOWSKI ET AL.	
	Examiner	Art Unit	
	Isaac T. Tecklu	2192	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *05 May 2003*.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-81* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-81* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date *11/29/2004*.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____.
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____.

DETAILED ACTION

1. This action is responsive to the application filed on 06/24/2003.

2. Claims 1-81 have been examined.

Oath/Declaration

3. The office acknowledges receipt of a properly signed oath/declaration filed on 11/03/2003.

Claim Objections

4. Claims 34-38 are objected to because of the following informalities: claims 34-38 should recite "A computer memory medium" to indicate the memory is a computer memory medium. Appropriate correction is required.

Claim Rejections - 35 USC § 101

5. 35 U.S.C. 101 reads as follows:

> Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

6. Claims 1-33 and 39-81 are rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter.

Claims 1, 40, 48, 56, 64, 72 and 80 are non-statutory as being "a node" with out being supported by hardware such as tangible computer storage or execution engine, which would enable one skill in the art to construe that the node is built from tangible product to carry out any functionality being conveyed from the claim. Thus, the node is software *per se* and therefore is not being tangibly embodied in a manner as to be executable.

Under the Interim Guidelines Section IV (a) data structures and/or program per se not claimed as embodied in computer-readable media are descriptive material per se and are not statutory because they are not capable of causing functional change in the computer. See, e.g., Warmerdam, 33 F.3d at 1361, 31 USPQ2d at 1760 (claim to a data structure per se held

nonstatutory). Such claimed data structures do not define any structural and functional interrelationships between the data structure and other claimed aspects of the invention which permit the data structure's functionality to be realized. In contrast, a claimed computer-readable medium encoded with a data structure defines structural and functional interrelationships between the data structure and the computer software and hardware components which permit the data structure's functionality to be realized, and is thus statutory.

Claims 2-33, 41-47, 49-55, 57-63, 65-71 and 73-79 are rejected for failing to cure the deficiencies of the above rejected non-statutory claims 1, 40, 48, 56, 64 and 72 above.

Interim Guidelines for Examination of Patent Applications for Patent Subject Matter Eligibility (signed 26 October 2005) – OG Cite: 1300 OG 142.

<http://www.uspto.gov/web/offices/com/sol/og/2005/week47/patgupa.htm>

7. Claims 39 and 81 are rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter.

Claims 39 and 81 are non-statutory as being "A memory medium" with out being supported by hardware such as tangible computer storage or execution engine, which would enable one skill in the art to construe that the memory medium is built from tangible product to carry out any functionality being conveyed from the claim. Thus, the memory medium is software *per se* and therefore is not being tangibly embodied in a manner as to be executable.

Under the Interim Guidelines Section IV (a) data structures and/or program per se not claimed as embodied in computer-readable media are descriptive material per se and are not statutory because they are not capable of causing functional change in the computer. See, e.g., Warmerdam, 33 F.3d at 1361, 31 USPQ2d at 1760 (claim to a data structure per se held nonstatutory). Such claimed data structures do not define any structural and functional interrelationships between the data structure and other claimed aspects of the invention which permit the data structure's functionality to be realized. In contrast, a claimed computer-readable medium encoded with a data structure defines structural and functional interrelationships between the data structure and the computer software and hardware components which permit the data structure's functionality to be realized, and is thus statutory.

Interim Guidelines for Examination of Patent Applications for Patent Subject Matter Eligibility (signed 26 October 2005) – OG Cite: 1300 OG 142.

<http://www.uspto.gov/web/offices/com/sol/og/2005/week47/patgupa.htm>

Claim Rejections - 35 USC § 102

8. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

9. Claims 1-81 are rejected under 35 U.S.C. 102(a) as being anticipated by Sojoodi et al. (US 6,437,805 B1), hereinafter "Sojoodi".

Per claim 1, Sojoodi discloses a function specific property node for use in a graphical program (col. 5: 33-40 "... object node in graphical program ..." and e.g. FIG. 8, element 394 and related text), the node comprising:

a node icon (e.g. FIG. 8, element 394) operable to be displayed in the graphical program, wherein the graphical program is operable to perform first functionality (col. 17: 45-50 "... displays an automation open node icon ..." and col. 17"55-65 "... perform functions or access capabilities of automation objects ..."); and

a first set of program instructions associated with the node icon (col. 18: 15-20 "... execution instruction based on the graphical program ..."), wherein the first set of program instructions are executable to only provide access to a plurality of properties corresponding to a pre-defined object (col. 17"55-65 "... perform functions or access capabilities of automation objects ..."), wherein the plurality of properties specify a configuration of the object (col. 18: 1-10 "... property node may be configured ..."), and wherein the object is associated with a subset of the first functionality of the graphical program (e.g. FIGs. 8a, 8b and 8c and related text).

Per claim 2, Sojoodi discloses the node of claim 1, wherein the property node is statically typed to correspond to the pre-defined object (e.g. FIG. 4, element 306 and related text).

Per claim 3, Sojoodi discloses the node of claim 1, wherein the node icon visually indicates the object (col. 23: 50-55 "... displayed on indicators on the front panel ..." and e.g. FIG. 11 and related text).

Per claim 4, Sojoodi discloses the node of claim 1, wherein the object is operable to perform a specific function in accordance with the plurality of properties (e.g. FIG. 33, element 622-624 and related text), and wherein the specific function is a subset of the first functionality of the graphical program (e.g. FIG. 33, element 626 and related text).

Per claim 5, Sojoodi discloses the node of claim 4, wherein the node icon visually indicates the specific function (col. 30: 30-35 "... color which indicates ...").

Per claim 6, Sojoodi discloses the node of claim 4, wherein, during execution of the graphical program, the first set of program instructions are executable to:

receive input specifying a modification to at least one of the properties (col. 28: 31-39 "... receives the second automation class in the type descriptor ..."); and

modify the at least one of the properties in response to the input to configure the object to perform the specific function (col. 28: 31-39 "... changes the automation class of the second ...").

Per claim 7, Sojoodi discloses the node of claim 1, wherein the object comprises a software object (col. 16: 45-50 "... where the object is a software object ...").

Per claim 8, Sojoodi discloses the node of claim 7, wherein the software object comprises a graphical program element (col. 16:26-35 "... graphical program has been created ... the object node ...").

Per claim 9, Sojoodi discloses the node of claim 8, wherein the graphical program element comprises a function node comprised in the graphical program (col. 16: 50-60 "... object node is operable to perform ...").

Per claim 10, Sojoodi discloses the node of claim 9, wherein the function specific property node comprises a timing property node; and wherein the graphical program element comprises a timing node, operable to provide timing functionality for the graphical program (e.g. FIG. 51 and related text).

Per claim 11, Sojoodi discloses the node of claim 9, wherein the function specific property node comprises a triggering property node; and wherein the graphical program element comprises a triggering node, operable to provide triggering functionality for the graphical program (e.g. FIG. 51-52 and related text).

Per claim 12, Sojoodi discloses the node of claim 9, wherein the function specific property node comprises a read property node; and wherein the graphical program element comprises a read node, operable to provide data acquisition (DAQ) functionality for the graphical program (e.g. FIG. 1, element 114 and related text).

Per claim 13, Sojoodi discloses the node of claim 9, wherein the function specific property node comprises a write property node; and wherein the graphical program element comprises a write node, operable to provide signal generation functionality for the graphical program (col. 43:5-10 "... node sets (writes) ...").

Per claim 14, Sojoodi discloses the node of claim 9, wherein the graphical program element comprises a channel creation node, operable to create a channel for the graphical program; and wherein the function specific property node comprises a channel property node, operable to access channel properties of the created channel (e.g. FIG. 43 and related text).

Per claim 15, Sojoodi discloses the node of claim 7, wherein the function specific property node comprises a calibration information property node; and wherein the object comprises a calibration information data structure, storing calibration information for a device used by the graphical program (e.g. FIG. 43 and related text).

Per claim 16, Sojoodi discloses the node of claim 7, wherein the function specific property node comprises an export signal property node; and

wherein the object comprises an export signal data structure, storing export signal data for the graphical program (e.g. FIG. 43 and related text).

Per claim 17, Sojoodi discloses the node of claim 7, wherein the function specific property node comprises a switch channel property node; and wherein the object comprises a switch channel specification for the graphical program (e.g. FIG. 43 and related text).

Per claim 18, Sojoodi discloses the node of claim 7, wherein the function specific property node comprises a switch scan property node; and wherein the object comprises a switch scanning task specification for the graphical program (e.g. FIG. 45 and related text).

Per claim 19, Sojoodi discloses the node of claim 7, wherein the function specific property node comprises a scale property node; and wherein the object comprises a scale specification for the graphical program (e.g. FIG. 46 and related text).

Per claim 20, Sojoodi discloses the node of claim 7, wherein the function specific property node comprises a system property node; and wherein the object comprises a data structure storing software configuration information for a host computer system (e.g. FIG. 43 and related text).

Per claim 21, Sojoodi discloses the node of claim 7, wherein the function specific property node comprises a task property node; and wherein the object comprises a data

structure storing general task information, including one or more of: a task name; one or more channel names, a number of channels; and a task status indicator (e.g. FIG. 11 and related text).

Per claim 22, Sojoodi discloses the node of claim 4, wherein the function specific property node comprises a device property node; and wherein the object comprises a hardware device (e.g. FIG. 1A, element 114 and related text).

Per claim 23, Sojoodi discloses the node of claim 22, wherein the hardware device comprises a DAQ device (e.g. FIG. 1A, element 114 and related text).

Per claim 24, Sojoodi discloses the node of claim 22, wherein the hardware device comprises a signal generation device (e.g. FIG. 1A, element 134, 182 and related text).

Per claim 25, Sojoodi discloses the node of claim 22, wherein the function specific property node comprises a switch device property node; and wherein the hardware device comprises a switch device (e.g. FIG. 1A, element 150 and related text).

Per claim 26, Sojoodi discloses the node of claim 1, wherein, at edit time, the first set of program instructions are executable to: display available properties of the object, including the plurality of properties; and receive first user input indicating the plurality of properties (col. 28: 31-39 "... receives the second automation class in the type descriptor ..."); wherein the access to the plurality of properties is provided in response to the received first user input (col. 17"55-65 "... perform functions or access capabilities of automation objects ...").

Per claim 27, Sojoodi discloses the node of claim 26, wherein, prior to receiving the first user input, the first set of program instructions are executable to:

display one or more filtering options for the available properties of the object, including the plurality of properties;

receive second user input indicating a first filtering option of the one or more filtering options (col. 17"55-65 "... perform functions or access capabilities of automation objects ...");

and display a first subset of the available properties in accordance with the first filtering option; wherein the plurality of properties is determined in response to the received second user input and the received first user input (col. 17: 45-50 "... displays an automation open node icon ..." and col. 17"55-65 "... perform functions or access capabilities of automation objects ...").

Per claim 28, Sojoodi discloses the node of claim 27, wherein the first set of program instructions are further executable to receive third user input and display the one or more filtering options in response to the third user input (col. 17: 45-50 "... displays an automation open node icon ..." and col. 17"55-65 "... perform functions or access capabilities of automation objects ...").

Per claim 29, Sojoodi discloses the node of claim 26, wherein the first set of program instructions are further executable to: display one or more filtering options for the available properties of the object (col. 17: 45-50 "... displays an automation open node icon ..." and col. 17"55-65 "... perform functions or access capabilities of automation objects ..."); wherein the first user input indicating the plurality of properties comprises: second user input indicating a first filtering option of the one or more filtering options (col. 28: 31-39 "... receives the second automation class in the type descriptor ..."); wherein the first set of program instructions are further executable to: display a first subset of the available properties in accordance with the first filtering option, including the plurality of properties; and wherein the first input indicating the plurality of properties further comprises (e.g. FIG. 3A and related text): third user input indicating the plurality of properties from the first subset of the available properties (e.g. FIGs. 8a, 8b and 8c and related text).

Per claim 30, Sojoodi discloses the node of claim 26, wherein the first set of program instructions are executable to receive second user input and display the available properties of the object in response to the second user input (e.g. FIG. 3A, element 262 and related text).

Per claim 31, Sojoodi discloses the node of claim 1, wherein, during execution of the graphical program, the first set of program instructions are executable to: read at least one of

the-plurality of properties from the object (e.g. FIG. 8A, element 380-386 and related text); and provide the at least one property to a graphical program element comprised in the graphical program (e.g. FIG. 8A, element 390 and related text).

Per claim 32, Sojoodi discloses the node of claim 31, wherein the graphical program element comprises a GUI, wherein the GUI is operable to display the at least one property during execution of the graphical program (e.g. FIG. 7 and related text).

Per claim 33, Sojoodi discloses the node of claim 31, wherein the graphical program element is executable to perform a respective function based on the at least one property (col. 17: 45-50 "... displays an automation open node icon ..." and col. 17"55-65 "... perform functions or access capabilities of automation objects ...").

Per claim 34 this is the memory medium version of the claimed node discussed above (Claim 1), wherein all claim limitations have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also anticipated by Sojoddi.

Per claim 35 this is the memory medium version of the claimed node discussed above (Claim 26), wherein all claim limitations have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also anticipated by Sojoddi.

Per claim 36 this is the memory medium version of the claimed node discussed above (Claim 6), wherein all claim limitations have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also anticipated by Sojoddi.

Per claim 37 this is the memory medium version of the claimed node discussed above (Claim 31), wherein all claim limitations have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also anticipated by Sojoddi.

Per claim 38 this is the memory medium version of the claimed node discussed above (Claim 33), wherein all claim limitations have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also anticipated by Sojoddi.

Per claim 39 this is the memory medium version of the claimed node discussed above (Claim 1), wherein all claim limitations have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also anticipated by Sojoddi.

Per claim 40 this is the timing property node version of the claimed function specific property node discussed above (Claim 1), wherein all claim limitations have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also anticipated by Sojoddi.

Per claim 41 this is the timing property node version of the claimed function specific property node discussed above (Claim 10), wherein all claim limitations have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also anticipated by Sojoddi.

Per claim 42 this is the timing property node version of the claimed function specific property node discussed above (Claim 6), wherein all claim limitations have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also anticipated by Sojoddi.

Per claim 43 this is the timing property node version of the claimed function specific property node discussed above (Claim 31), wherein all claim limitations have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also anticipated by Sojoddi.

Per claim 44 this is the timing property node version of the claimed function specific property node discussed above (Claim 32), wherein all claim limitations have been addressed

and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also anticipated by Sojoddi.

Per claim 45 this is the timing property node version of the claimed function specific property node discussed above (Claim 26), wherein all claim limitations have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also anticipated by Sojoddi.

Per claim 46 this is the timing property node version of the claimed function specific property node discussed above (Claim 6), wherein all claim limitations have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also anticipated by Sojoddi.

Per claim 47 this is the timing property node version of the claimed function specific property node discussed above (Claim 10), wherein all claim limitations have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also anticipated by Sojoddi.

Per claim 48 this is the triggering property node version of the claimed function specific property node discussed above (Claim 1), wherein all claim limitations have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also anticipated by Sojoddi.

Per claim 49 this is the triggering property node version of the claimed function specific property node discussed above (Claim 5), wherein all claim limitations have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also anticipated by Sojoddi.

Per claim 50 this is the triggering property node version of the claimed function specific property node discussed above (Claim 6), wherein all claim limitations have been addressed

and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also anticipated by Sojoddi.

Per claim 51 this is the triggering property node version of the claimed function specific property node discussed above (Claim 31), wherein all claim limitations have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also anticipated by Sojoddi.

Per claim 52 this is the triggering property node version of the claimed function specific property node discussed above (Claim 32), wherein all claim limitations have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also anticipated by Sojoddi.

Per claim 53 this is the triggering property node version of the claimed function specific property node discussed above (Claim 26), wherein all claim limitations have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also anticipated by Sojoddi.

Per claim 54 this is the triggering property node version of the claimed function specific property node discussed above (Claim 6), wherein all claim limitations have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also anticipated by Sojoddi.

Per claim 55 this is the triggering property node version of the claimed function specific property node discussed above (Claim 11), wherein all claim limitations have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also anticipated by Sojoddi.

Per claim 56 this is the read property node version of the claimed function specific property node discussed above (Claim 1), wherein all claim limitations have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also anticipated by Sojoddi.

Per claim 57 this is the read property node version of the claimed function specific property node discussed above (Claim 5), wherein all claim limitations have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also anticipated by Sojoddi.

Per claim 58 this is the read property node version of the claimed function specific property node discussed above (Claim 6), wherein all claim limitations have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also anticipated by Sojoddi.

Per claim 59 this is the read property node version of the claimed function specific property node discussed above (Claim 31), wherein all claim limitations have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also anticipated by Sojoddi.

Per claim 60 this is the read property node version of the claimed function specific property node discussed above (Claim 32), wherein all claim limitations have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also anticipated by Sojoddi.

Per claim 61 this is the read property node version of the claimed function specific property node discussed above (Claim 26), wherein all claim limitations have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also anticipated by Sojoddi.

Per claim 62 this is the read property node version of the claimed function specific property node discussed above (Claim 6), wherein all claim limitations have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also anticipated by Sojoddi.

Per claim 63 this is the read property node version of the claimed function specific property node discussed above (Claim 20), wherein all claim limitations have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also anticipated by Sojoddi.

Per claim 64 this is the write property node version of the claimed function specific property node discussed above (Claim 1), wherein all claim limitations have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also anticipated by Sojoddi.

Per claim 65 this is the write property node version of the claimed function specific property node discussed above (Claim 5), wherein all claim limitations have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also anticipated by Sojoddi.

Per claim 66 this is the write property node version of the claimed function specific property node discussed above (Claim 6), wherein all claim limitations have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also anticipated by Sojoddi.

Per claim 67 this is the write property node version of the claimed function specific property node discussed above (Claim 31), wherein all claim limitations have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also anticipated by Sojoddi.

Per claim 68 this is the write property node version of the claimed function specific property node discussed above (Claim 32), wherein all claim limitations have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also anticipated by Sojoddi.

Per claim 69 this is the write property node version of the claimed function specific property node discussed above (Claim 26), wherein all claim limitations have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also anticipated by Sojoddi.

Per claim 70 this is the article version of the claimed method discussed above (Claim 6), wherein all claim limitations have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also anticipated by Sojoddi.

Per claim 71 this is the write property node version of the claimed function specific property node discussed above (Claim 11), wherein all claim limitations have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also anticipated by Sojoddi.

Per claim 72 this is the channel property node version of the claimed function specific property node discussed above (Claim 1), wherein all claim limitations have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also anticipated by Sojoddi.

Per claim 73 this is the channel property node version of the claimed function specific property node discussed above (Claim 5), wherein all claim limitations have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also anticipated by Sojoddi.

Per claim 74 this is the channel property node version of the claimed function specific property node discussed above (Claim 6), wherein all claim limitations have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also anticipated by Sojoddi.

Per claim 75 this is the channel property node version of the claimed function specific property node discussed above (Claim 26), wherein all claim limitations have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also anticipated by Sojoddi.

Per claim 76 this is the channel property node version of the claimed function specific property node discussed above (Claim 31), wherein all claim limitations have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also anticipated by Sojoddi.

Per claim 77 this is the channel property node version of the claimed function specific property node discussed above (Claim 32), wherein all claim limitations have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also anticipated by Sojoddi.

Per claim 78 this is the channel property node version of the claimed function specific property node discussed above (Claim 6), wherein all claim limitations have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also anticipated by Sojoddi.

Per claim 79 this is the channel property node version of the claimed function specific property node discussed above (Claim 11), wherein all claim limitations have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also anticipated by Sojoddi.

Per claim 80 this is the channel property node version of the claimed function specific property node discussed above (Claim 72), wherein all claim limitations have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also anticipated by Sojoddi.

Per claim 81 this is the memory medium version of the claimed function specific property node discussed above (Claim 1), wherein all claim limitations have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also anticipated by Sojoddi.

Conclusion

10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Isaac T. Tecklu whose telephone number is (571) 272-7957. The examiner can normally be reached on M-TH 9:300A - 8:00P.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tuan Q. Dam can be reached on (571) 272-3695. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Isaac Tecklu
Art Unit 2192

TUAN DAM
SUPERVISORY PATENT EXAMINER